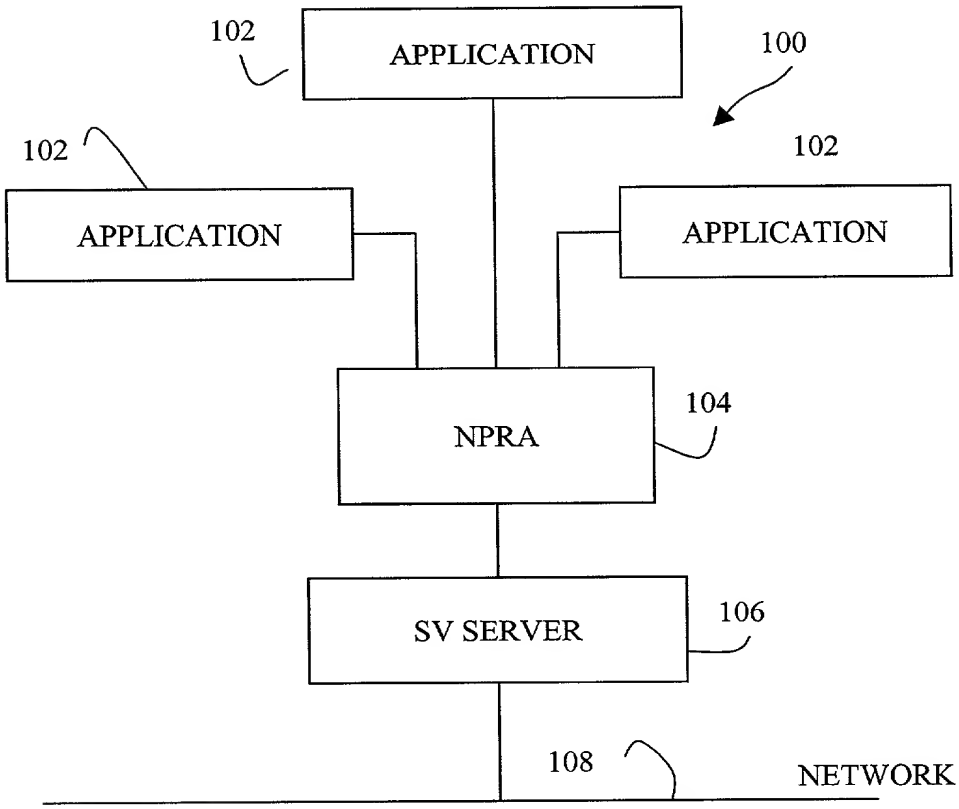
102
APPLICATION
100
102
APPLICATION
102
APPLICATION
NPRA
104
SV SERVER
106
108
NETWORK

FIG. 1

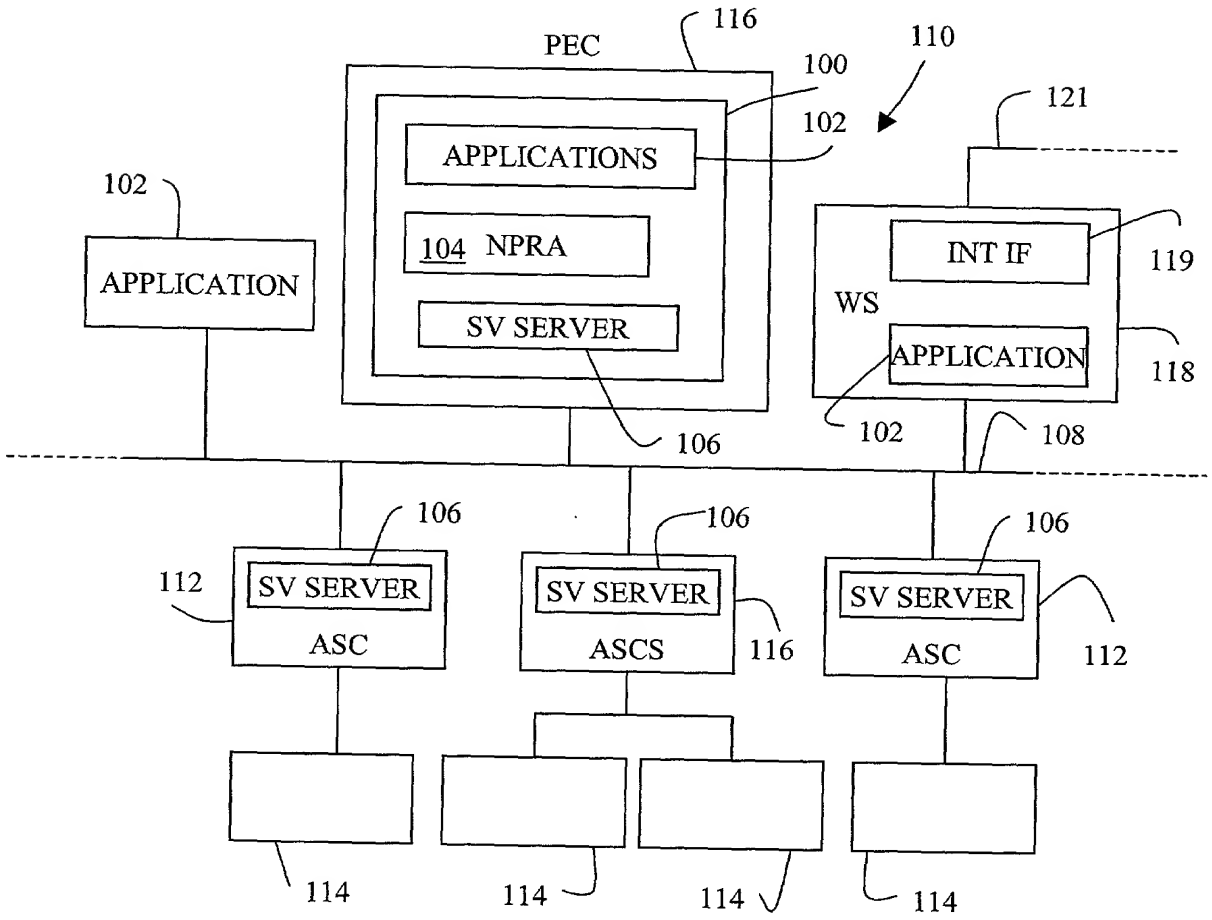
PEC
116
110
100
102
121
APPLICATIONS
102
APPLICATION
104 NPRA
SV SERVER
INT IF
119
WS
APPLICATION
118
102
108
106
106
106
106
112
SV SERVER
ASC
SV SERVER
ASCS
116
SV SERVER
ASC
112
114
114
114
114

FIG. 2

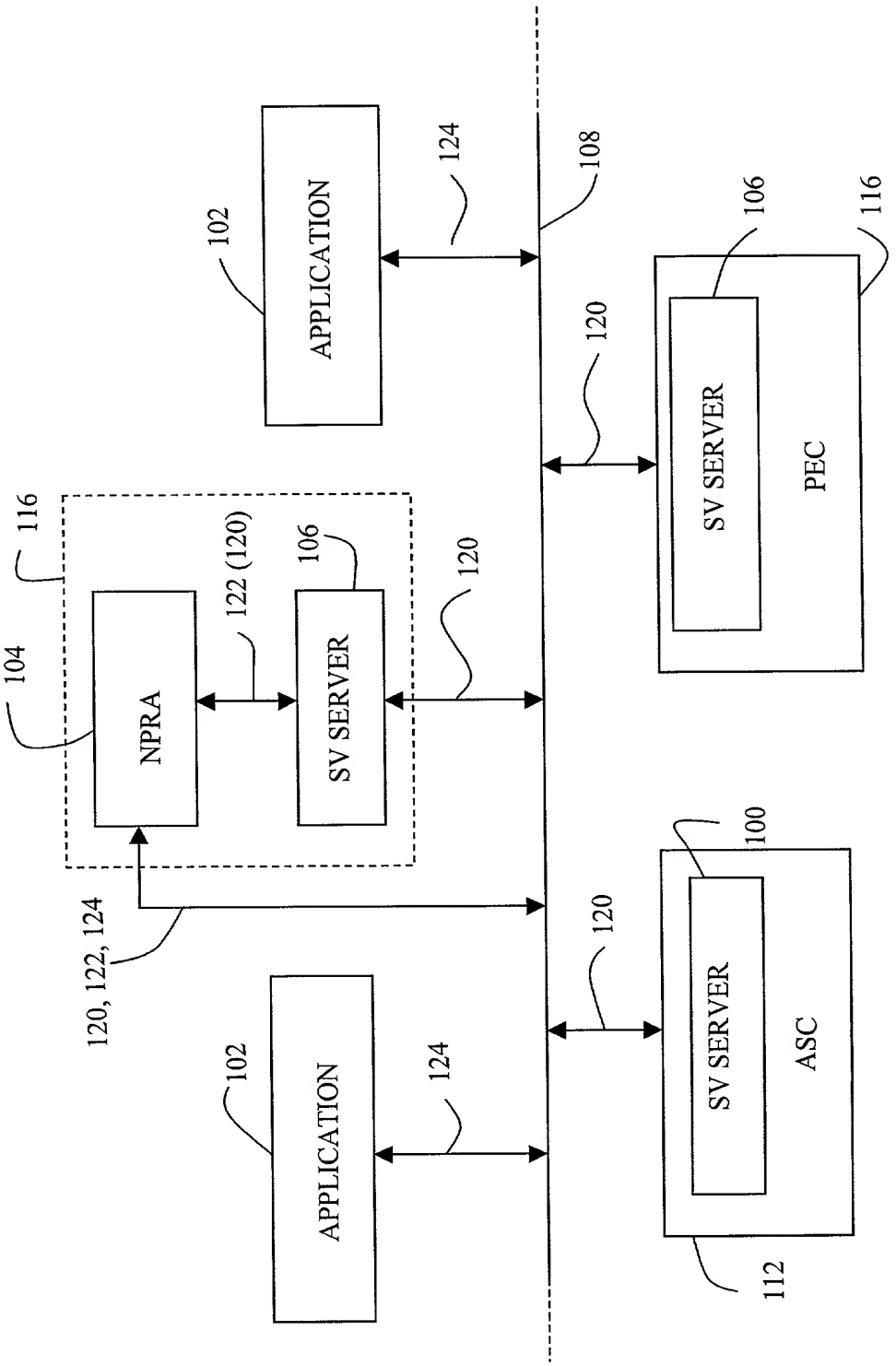
APPLICATION
102
124
108
106
116
SV SERVER
PEC
120
116
106
122 (120)
120
104
NPRA
SV SERVER
120, 122, 124
100
120
SV SERVER
ASC
APPLICATION
102
124
112

FIG. 3

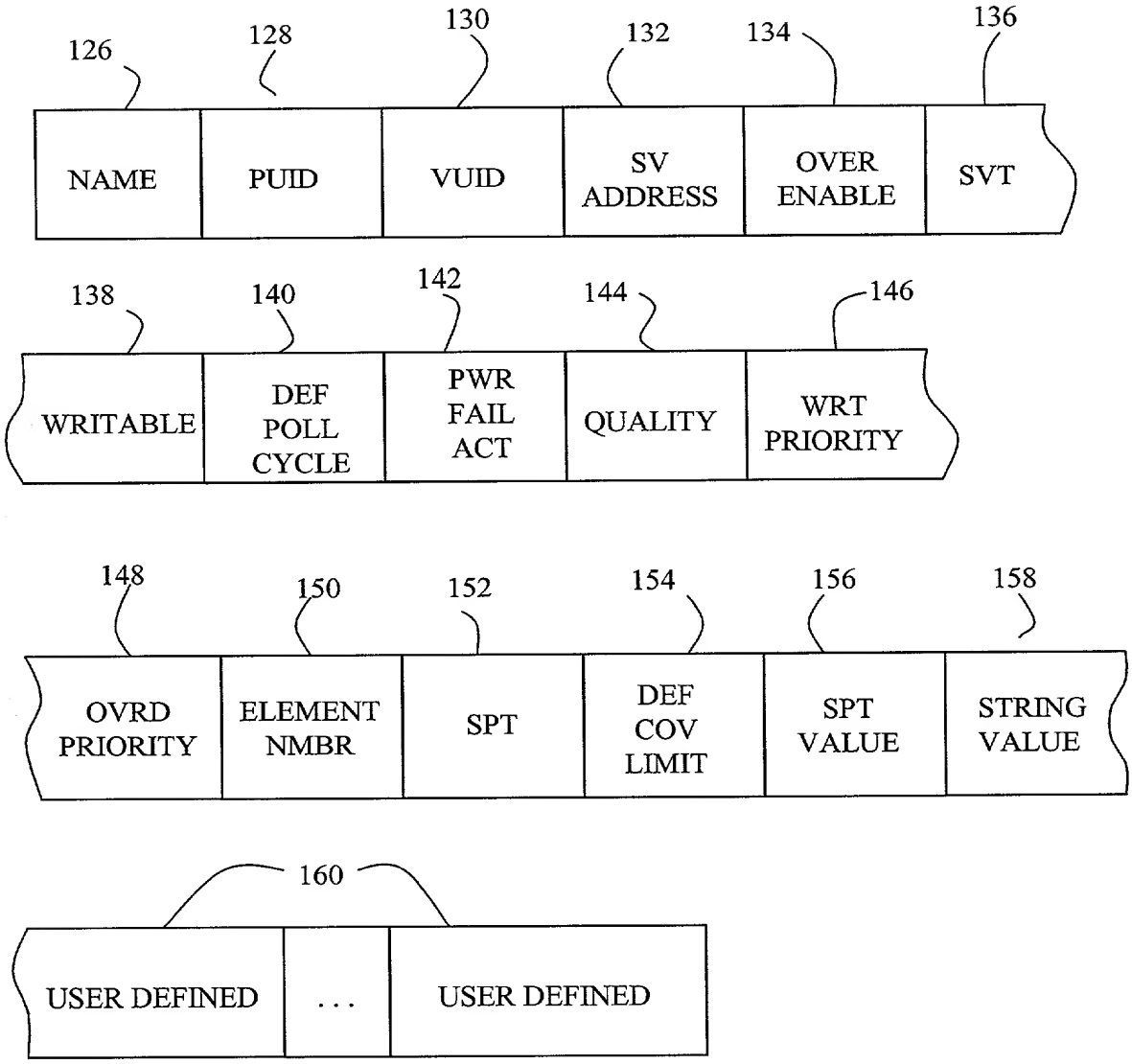
126
128
130
132
134
136
NAME
PUID
VUID
SV ADDRESS
OVER ENABLE
SVT
138
140
142
144
146
WRITABLE
DEF POLL CYCLE
PWR FAIL ACT
QUALITY
WRT PRIORITY
148
150
152
154
156
158
OVRD PRIORITY
ELEMENT NMBR
SPT
DEF COV LIMIT
SPT VALUE
STRING VALUE
160
USER DEFINED
. . .
USER DEFINED

FIG. 4

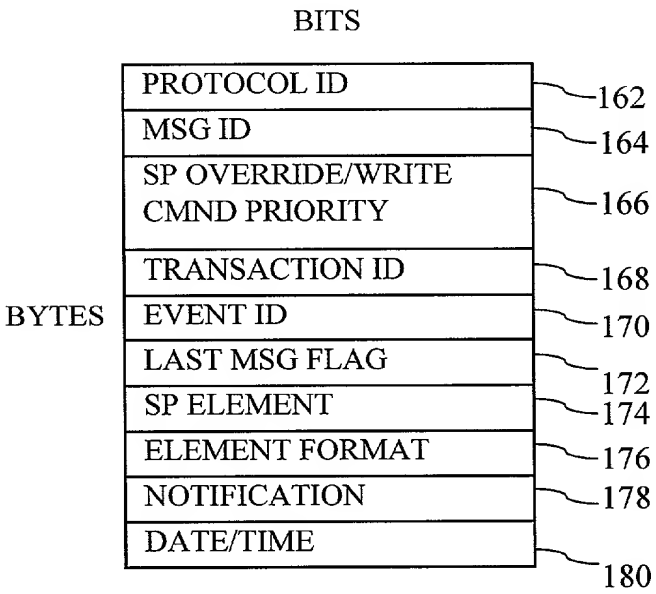
BITS
PROTOCOL ID
MSG ID
SP OVERRIDE/WRITE
CMND PRIORITY
TRANSACTION ID
BYTES
EVENT ID
LAST MSG FLAG
SP ELEMENT
ELEMENT FORMAT
NOTIFICATION
DATE/TIME
162
164
166
168
170
172
174
176
178
180

FIG. 5

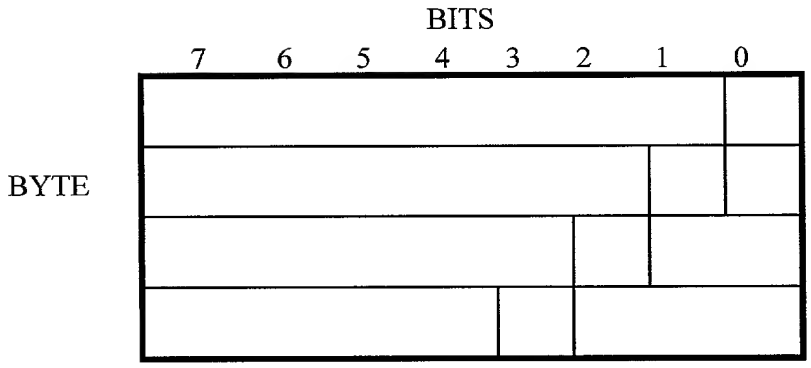
BITS
7 6 5 4 3 2 1 0
BYTE

FIG. 6

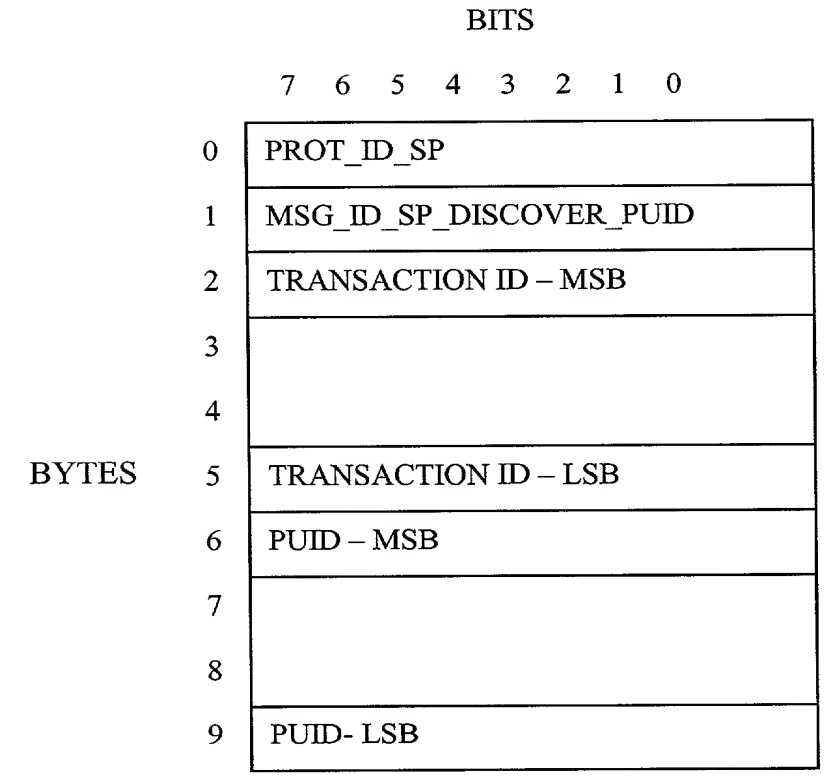
BITS
7 6 5 4 3 2 1 0
BYTES
0
PROT_ID_SP
1
MSG_ID_SP_DISCOVER_PUID
2
TRANSACTION ID – MSB
3
4
5
TRANSACTION ID – LSB
6
PUID – MSB
7
8
9
PUID- LSB

FIG. 7

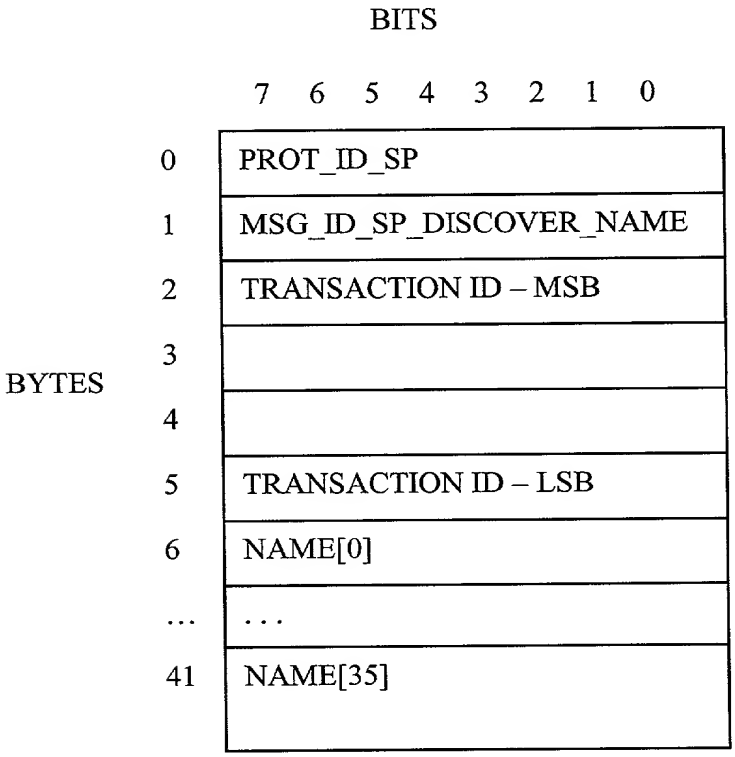
BITS
7 6 5 4 3 2 1 0
BYTES
0
PROT_ID_SP
1
MSG_ID_SP_DISCOVER_NAME
2
TRANSACTION ID – MSB
3
4
5
TRANSACTION ID – LSB
6
NAME[0]
...
. . .
41
NAME[35]

FIG. 8

US 2002/0198928 A1 Dec. 26, 2002

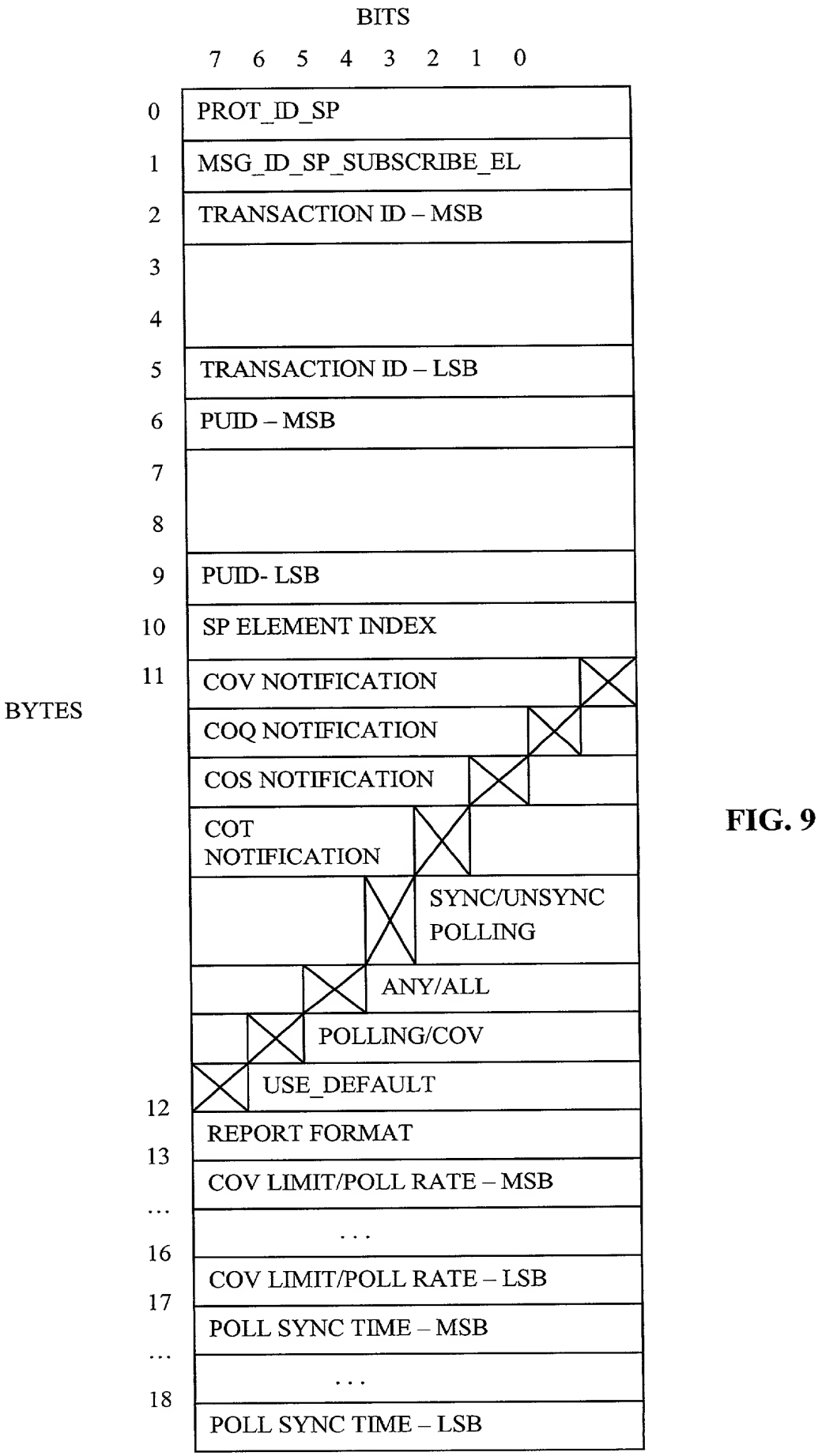

FIG. 9

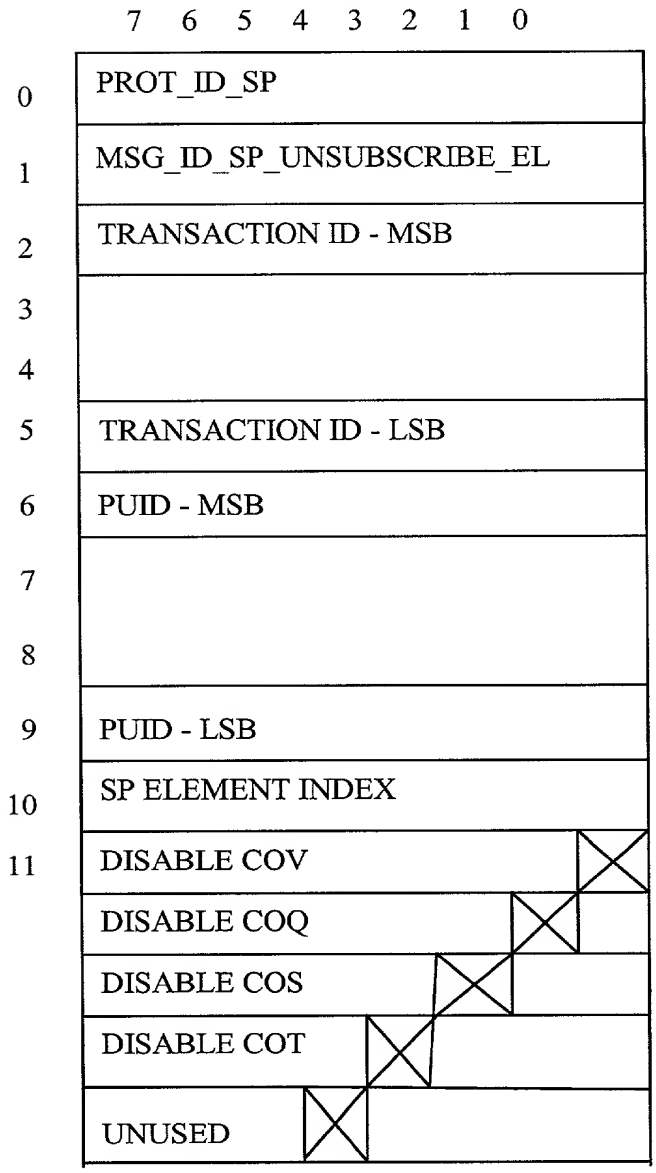
7 6 5 4 3 2 1 0
0
PROT_ID_SP
1
MSG_ID_SP_UNSUBSCRIBE_EL
2
TRANSACTION ID - MSB
3
4
5
TRANSACTION ID - LSB
6
PUID - MSB
7
8
9
PUID - LSB
10
SP ELEMENT INDEX
11
DISABLE COV
DISABLE COQ
DISABLE COS
DISABLE COT
UNUSED

FIG. 10

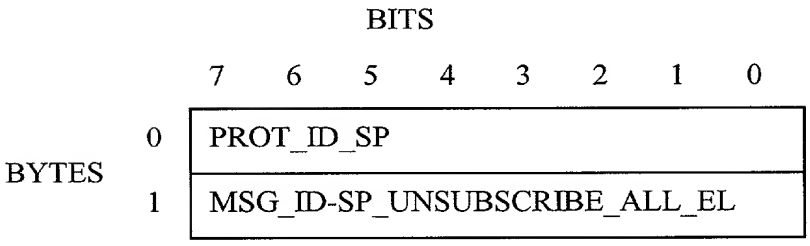
BITS
7 6 5 4 3 2 1 0
BYTES
0
PROT_ID_SP
1
MSG_ID-SP_UNSUBSCRIBE_ALL_EL

FIG. 11

US 2003/0065856 A1

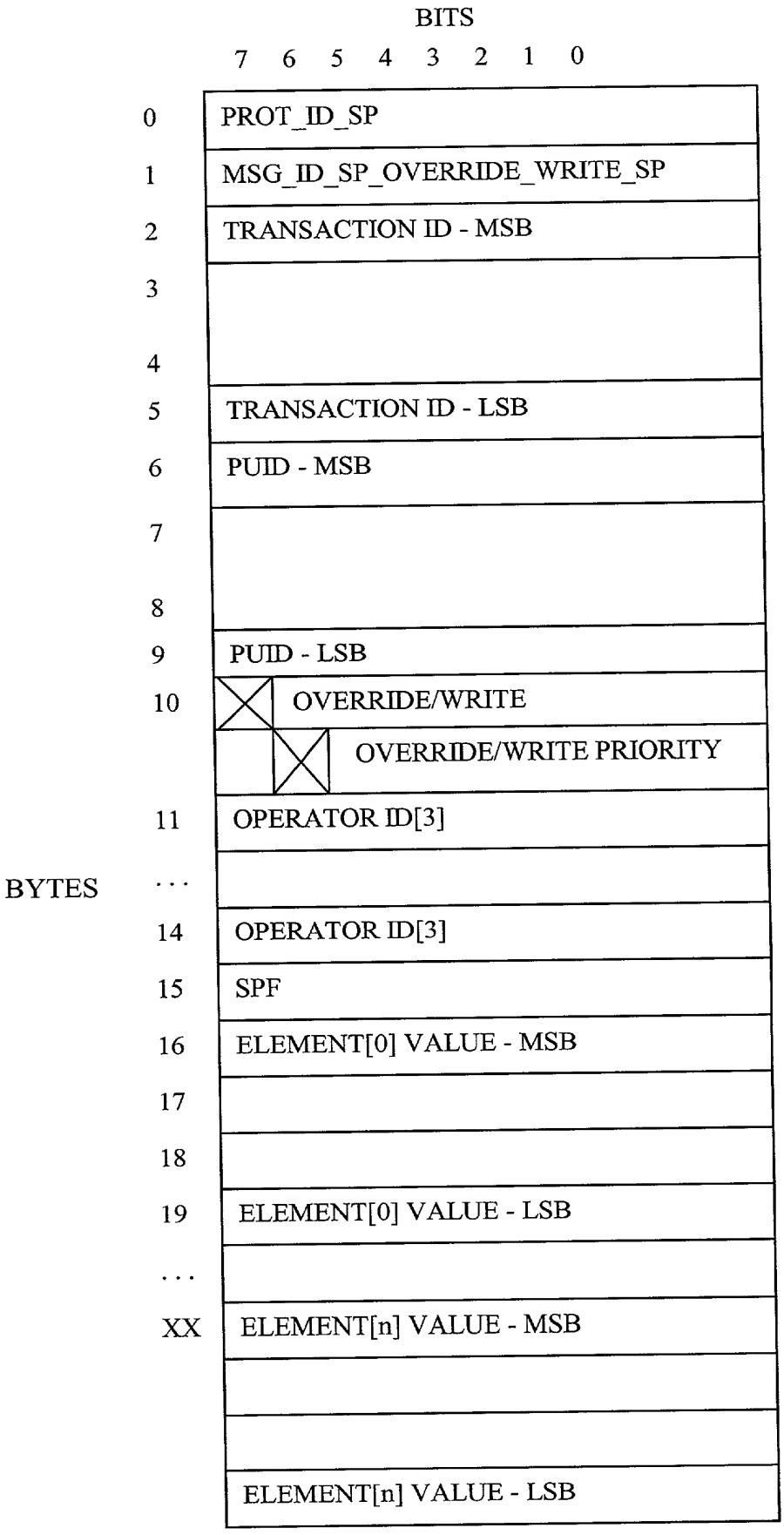

FIG. 12

D-2001-0038-01

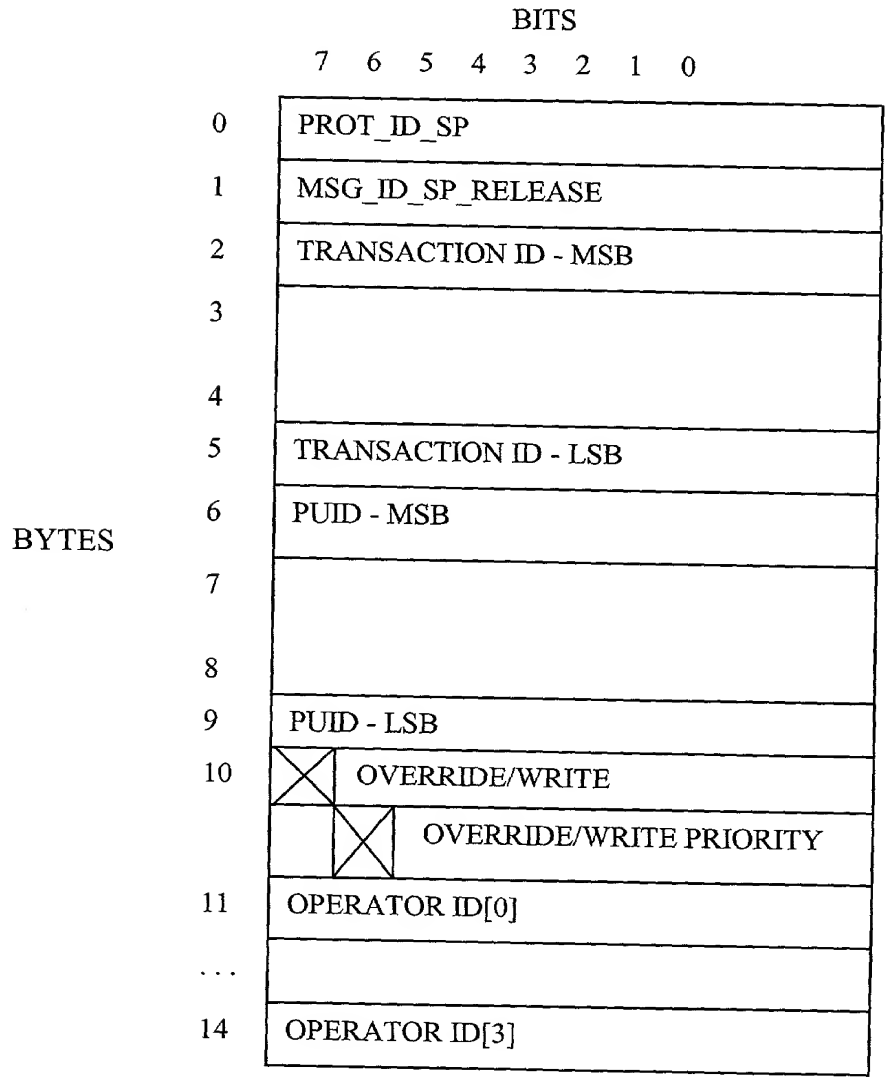

FIG. 13

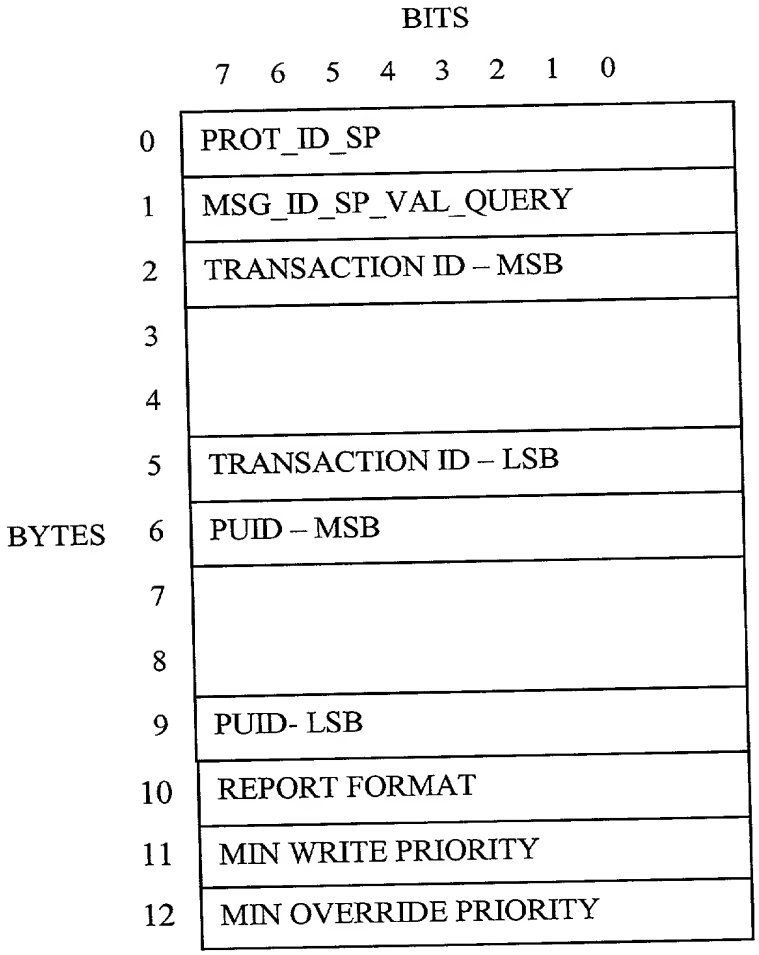
BITS
7 6 5 4 3 2 1 0
BYTES
0 PROT_ID_SP
1 MSG_ID_SP_VAL_QUERY
2 TRANSACTION ID – MSB
3
4
5 TRANSACTION ID – LSB
6 PUID – MSB
7
8
9 PUID- LSB
10 REPORT FORMAT
11 MIN WRITE PRIORITY
12 MIN OVERRIDE PRIORITY

FIG. 14

D-5050-4030-P

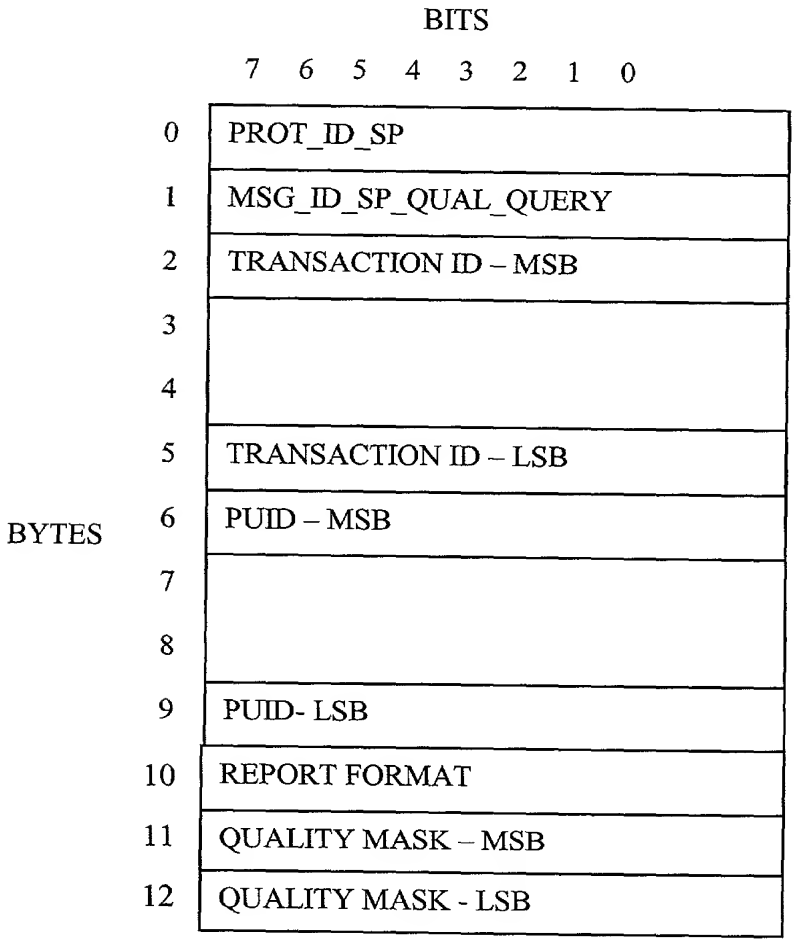

FIG. 15

US 2003/0058802 A1

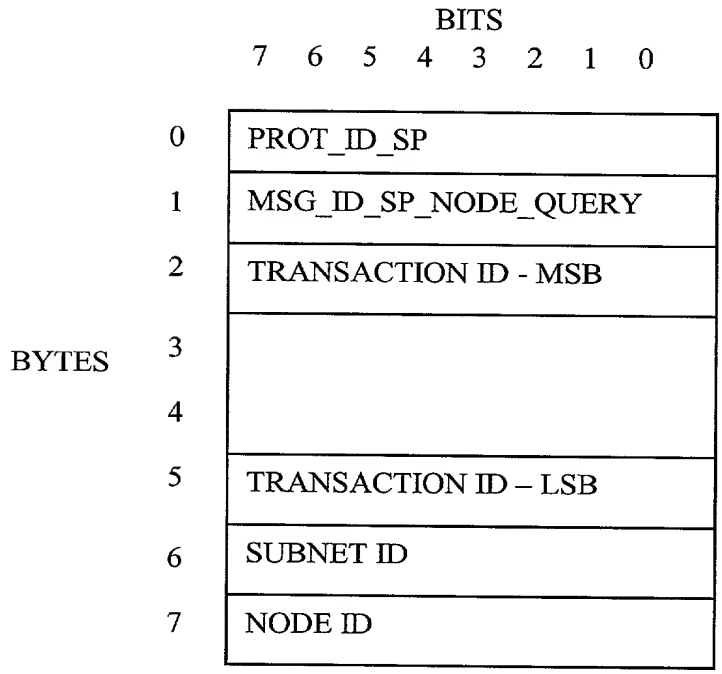

FIG. 16

US 2003/0061384 A1

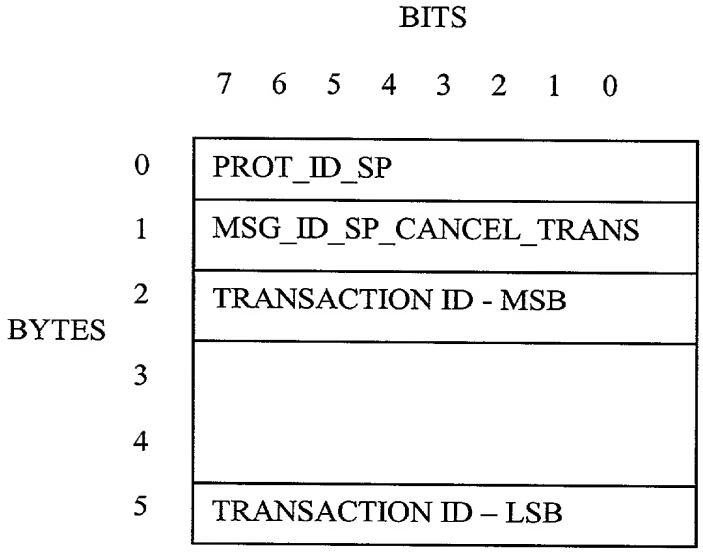

FIG. 17

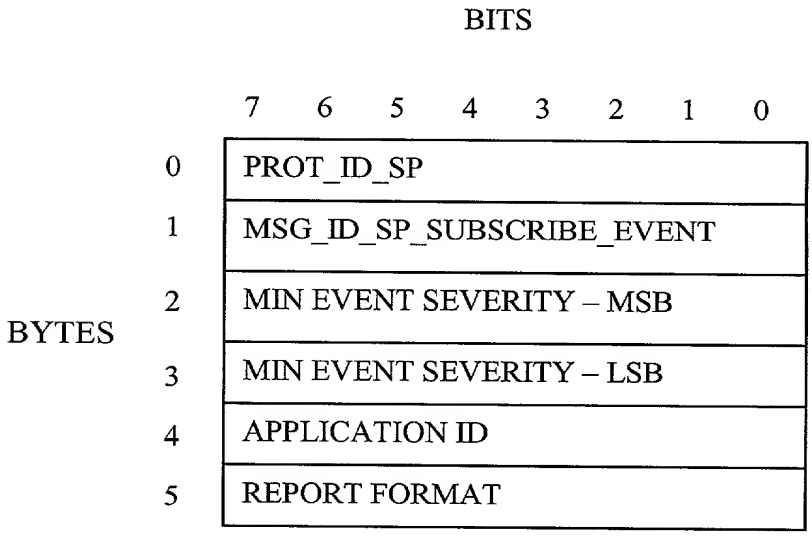

FIG. 18

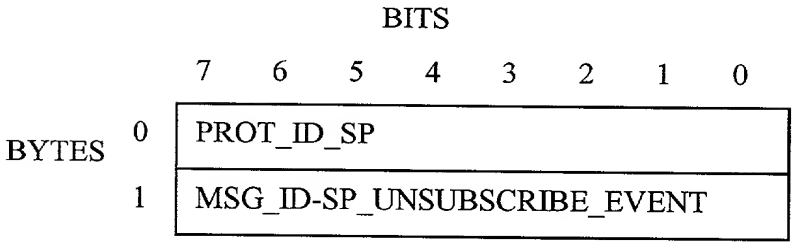

FIG. 19

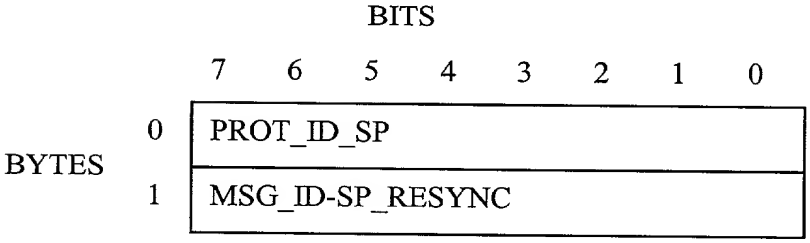

FIG. 20

D:\SPEC\SP-SPEC.DOC

D-2003-0038-1

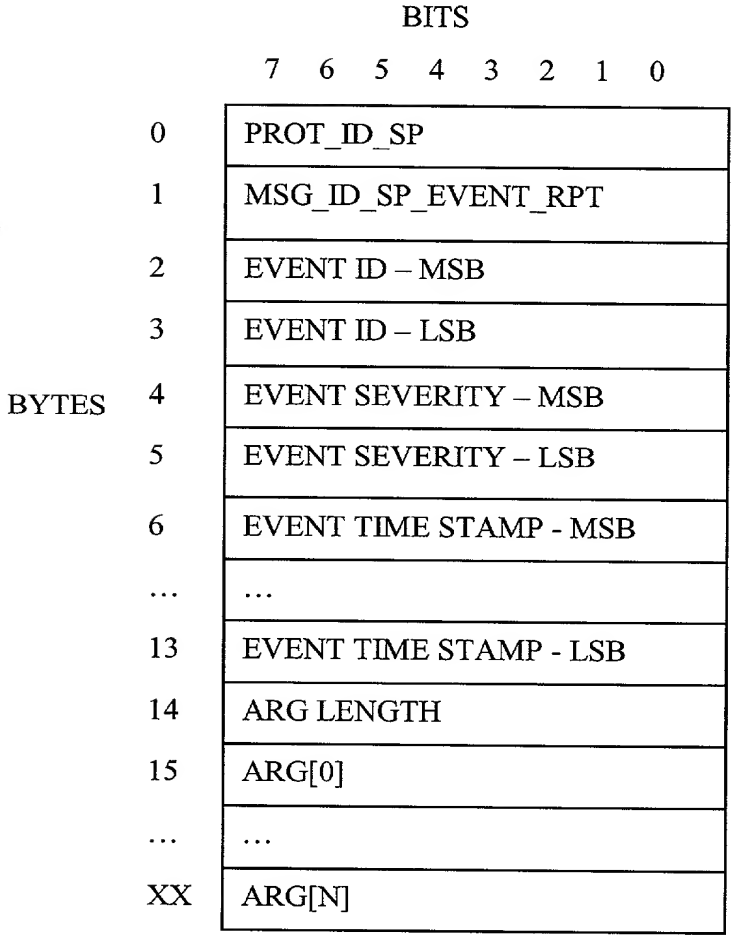

FIG. 21

D-2003-0038-1

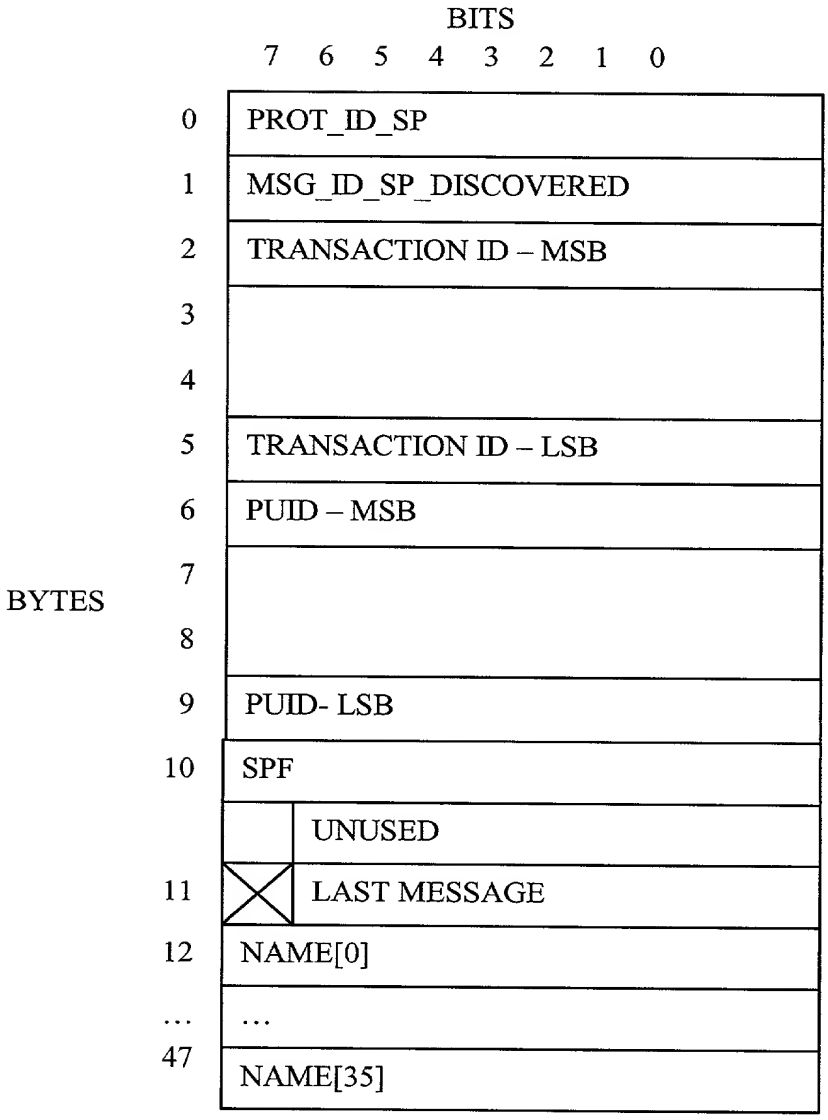

FIG. 22

D0602P38-050804

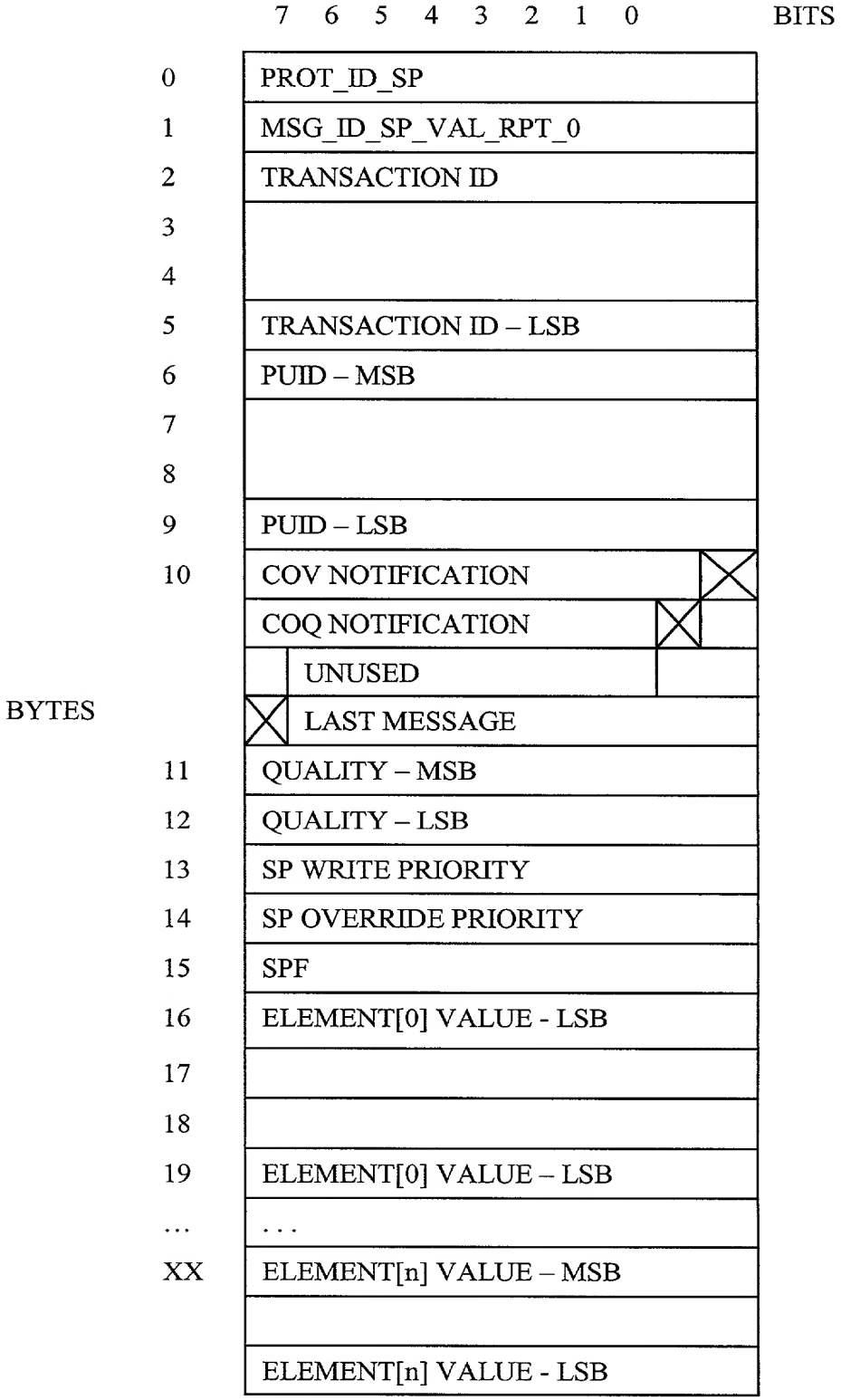

FIG. 23

09/05/2003 09:08:00

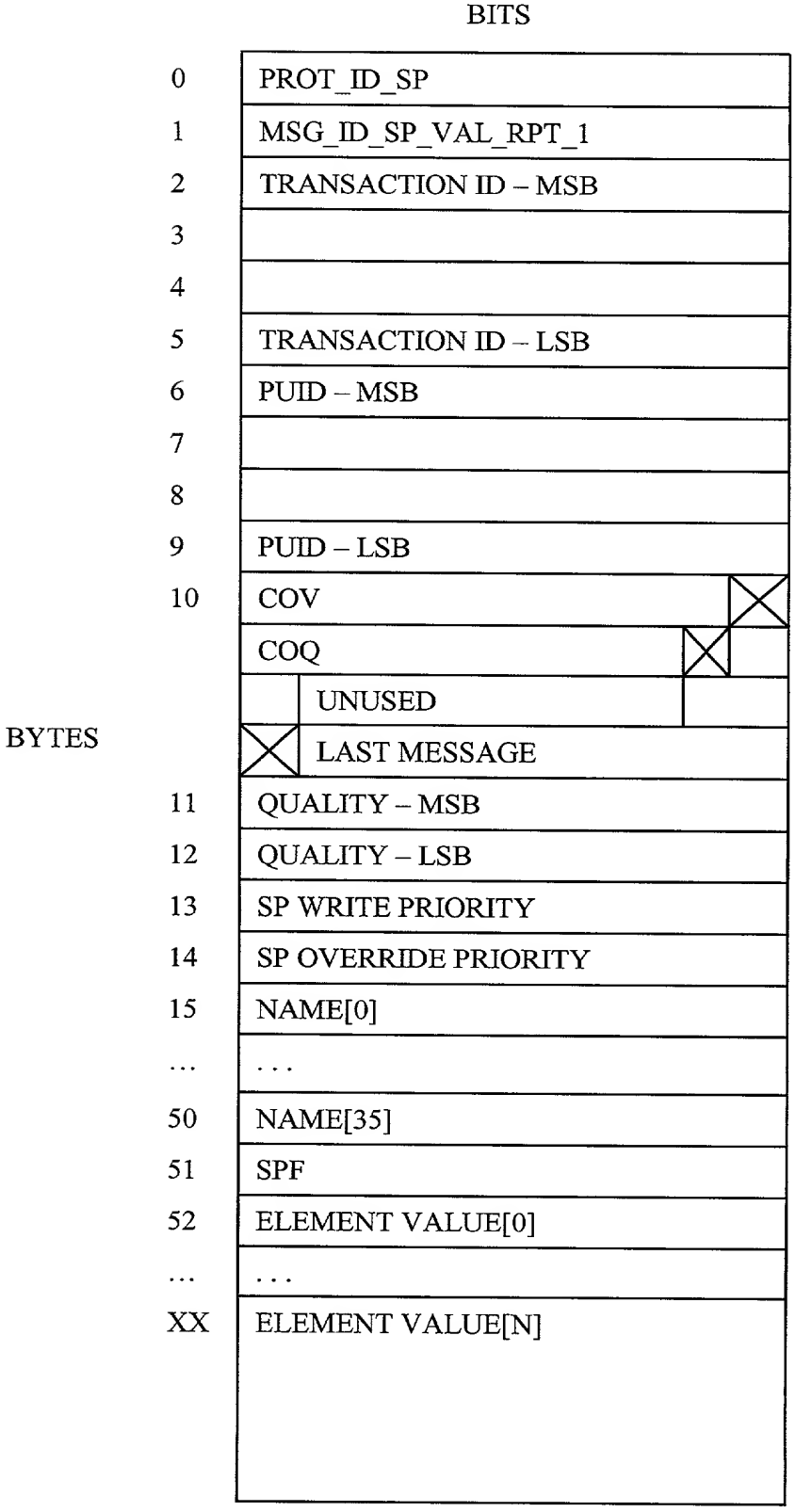

FIG. 24

DRAFT - 08/05/2004

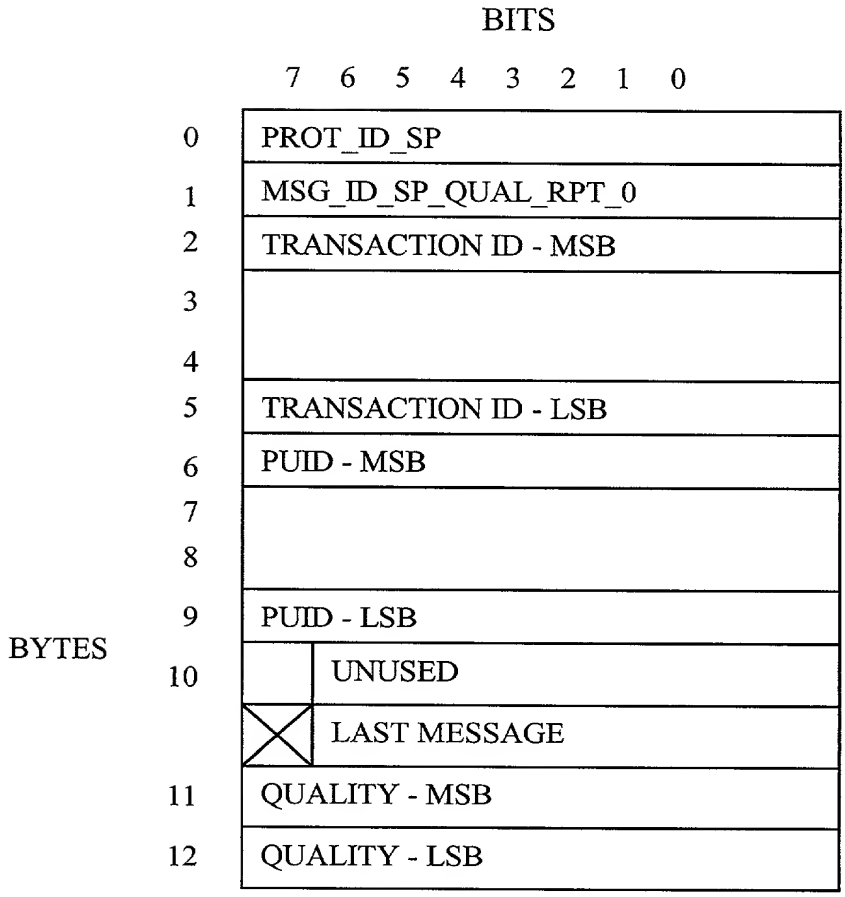

FIG. 25

09/09/2003 09:58:01

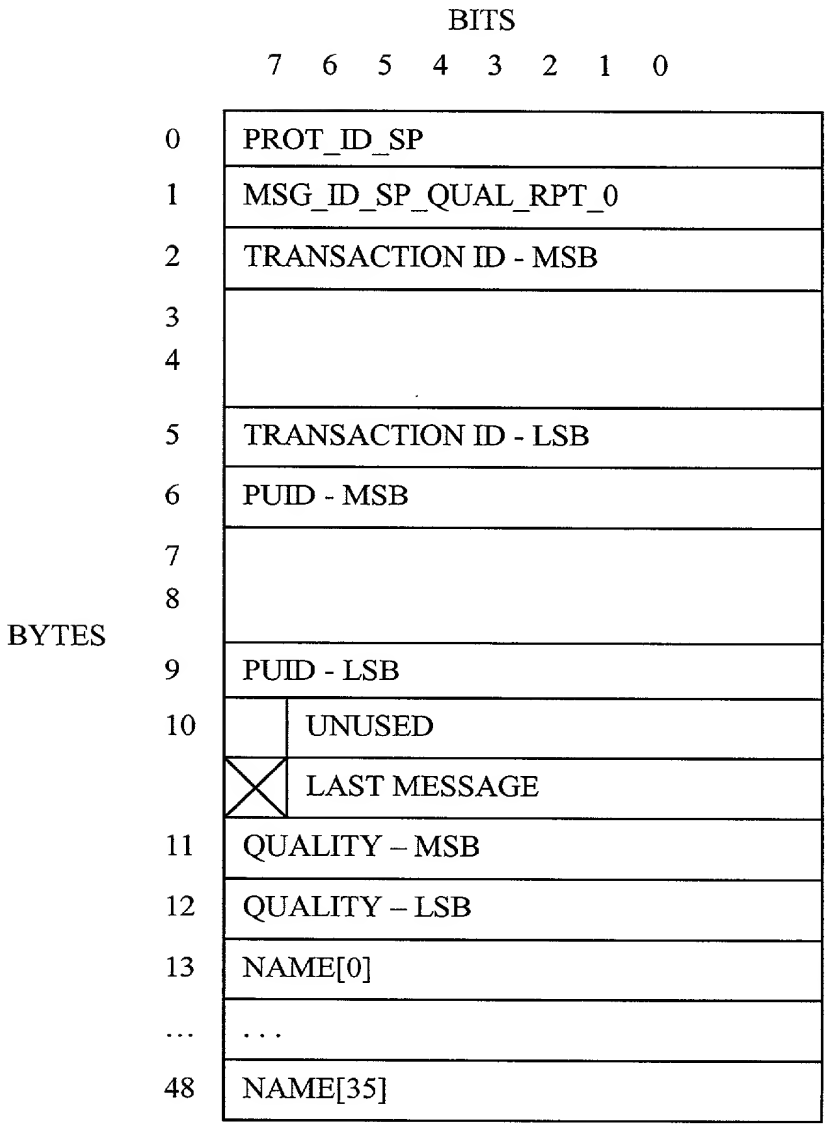

FIG. 26

US 2003/0088701 A1

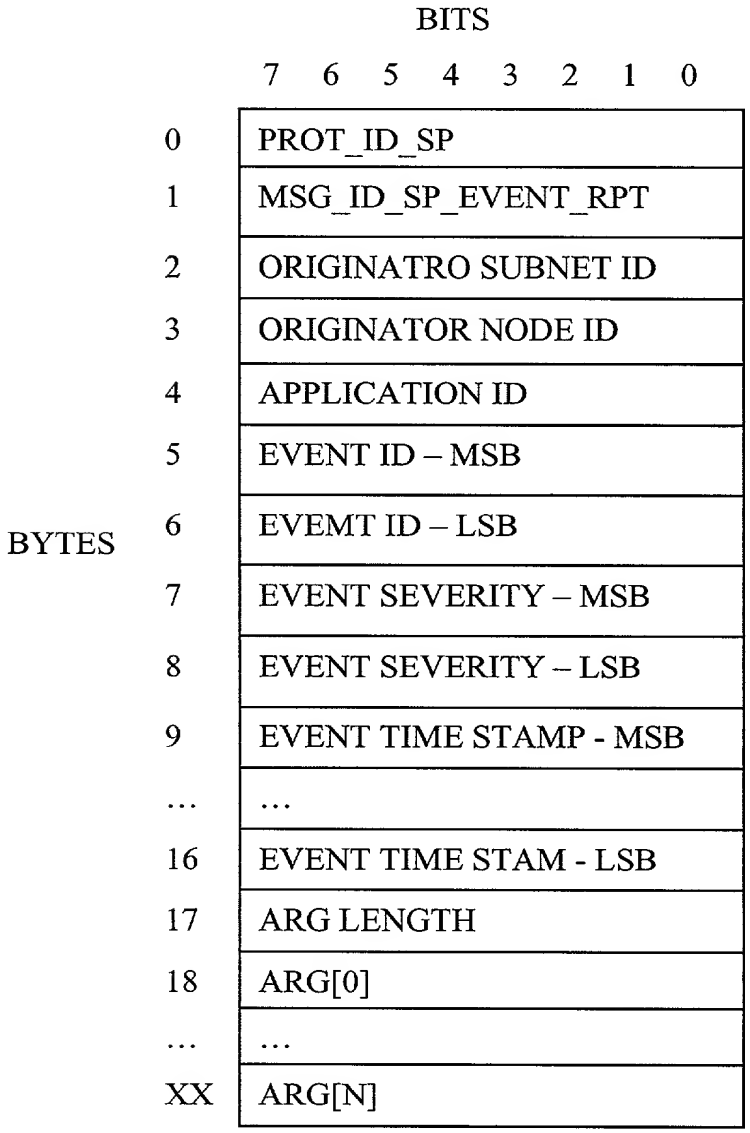

FIG. 27

US 2003/0208608 A1

BITS

BYTES		7 6 5 4 3 2 1 0
	0	PROT_ID_SP
	1	MSG_ID_SP_APPLICATION_ERROR
	2	MODULE – MSB
	3	MODULE – LSB
	4	ERROR CODE – MSB
	5	ERROR CODE – LSB
	6	ORIGINAL MESSAGE (FIRST BYTE)
	...	
	n	ORIGINAL MESSAGE (LAST BYTE)

FIG. 28